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REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL

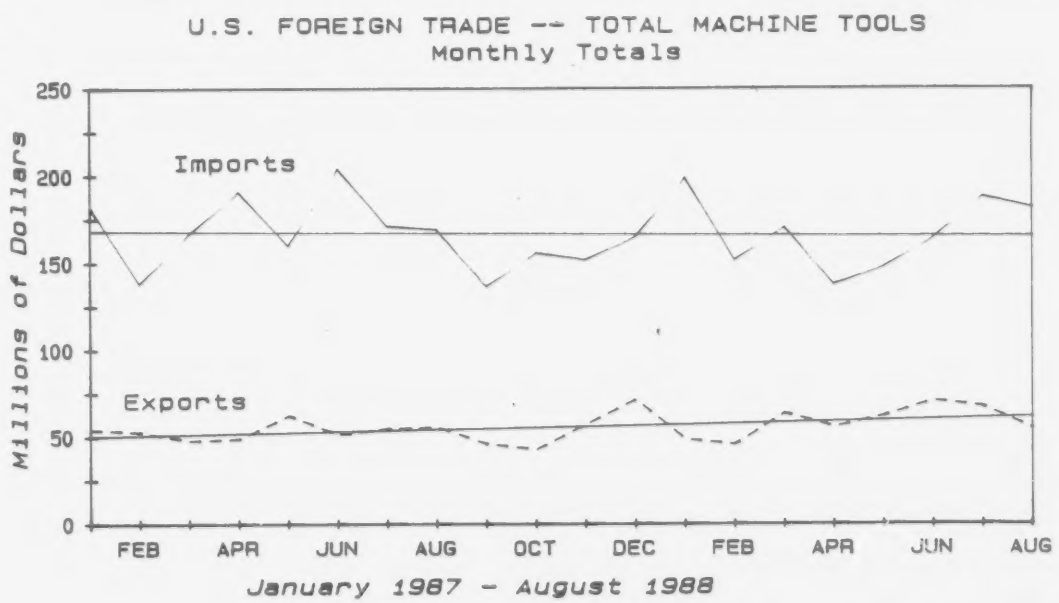
No. 144-88 November 11, 1988

U.S. FOREIGN TRADE IN MACHINE TOOLS - AUGUST 1988

Year-to-date U.S. machine tool exports are up 10% compared with the first eight months of 1987, to $473.4 million. U.S. imports are down 3% from the same period last year to $1,341.3 million. Imports of machine tools in August fell 4% from their July 1988 level, while exports declined 19% compared with last month. The resulting machine tool trade deficit was $126.4 million for August, bringing the eight month total trade deficit to $867.9 million, down 9% from the same period last year.

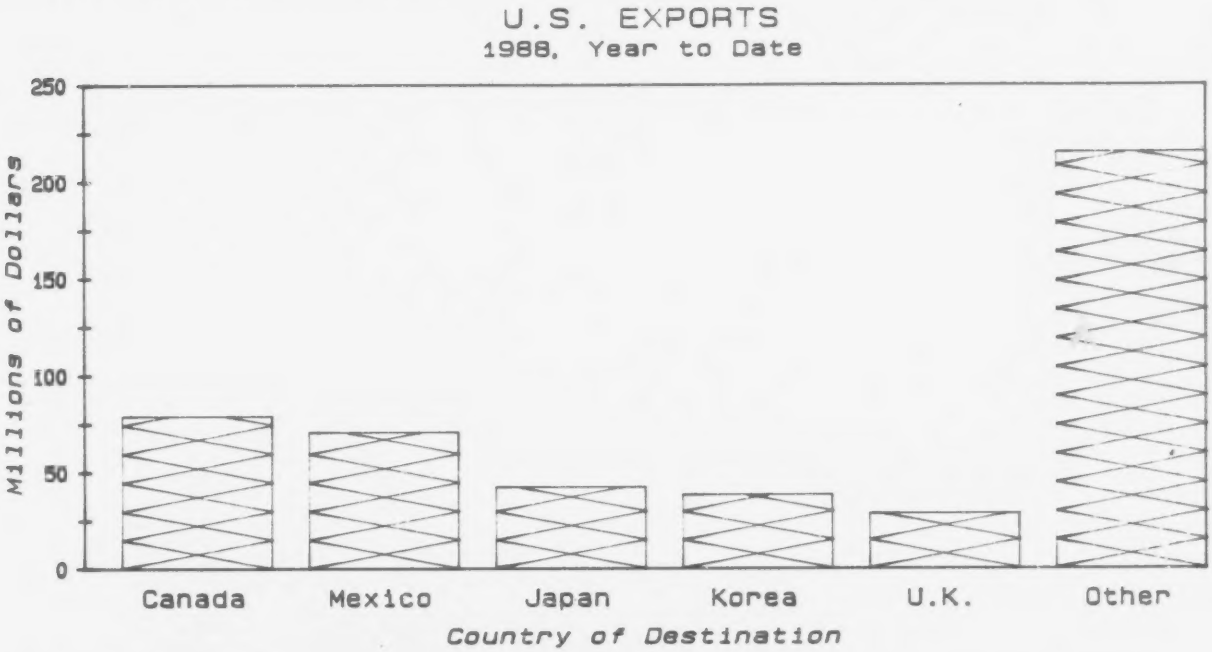
U.S. Machine Tool Trade
($Millions)

	August 1988			Eight Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$30.4	$140.2	($109.8)	$264.8	$ 1,035.9	($771.1)
Metal Forming	$24.6	$ 41.2	($ 16.6)	$208.6	$ 305.4	($ 96.8)
Total	$55.0	$181.4	($126.4)	$473.4	$1,341.3	($867.9)

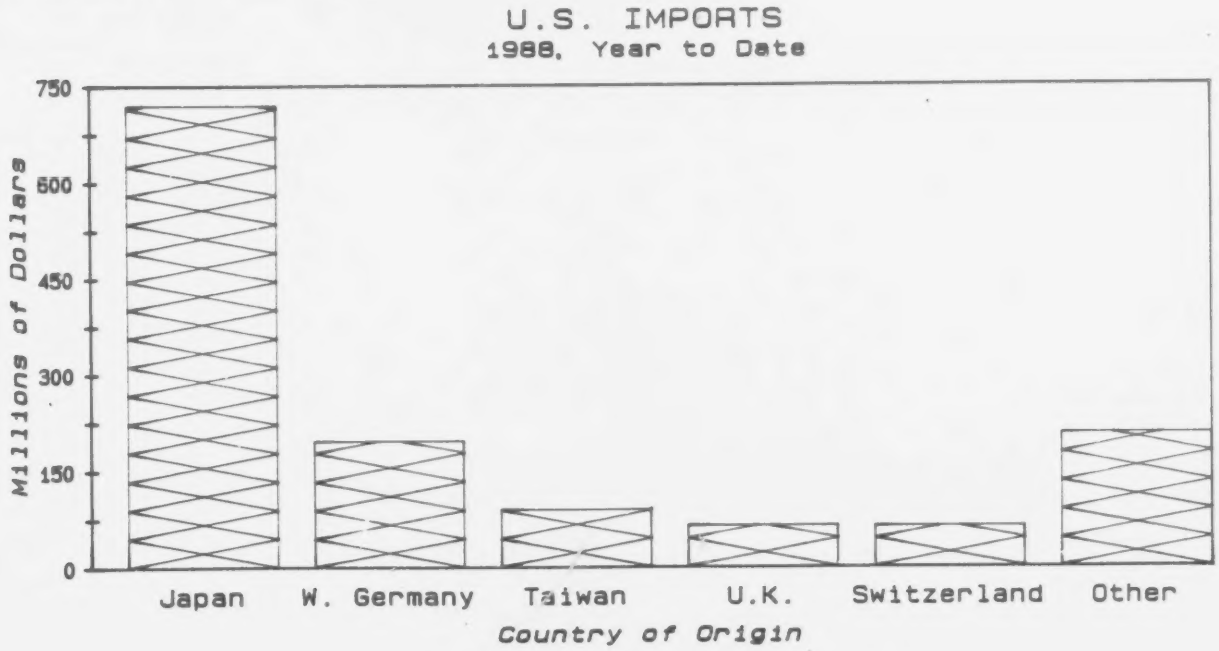


7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703) 893-1151

U.S. exports of metal cutting machines are up 4% in 1988, compared with the first eight months of 1987, while exports of metal forming machinery are 18% above last year's level. In August, metal cutting machine tool exports fell 22% compared to last month's total, and metal forming exports dropped 14%. For January through August 1988, the leading export markets were (in millions): Canada ($78.9), Mexico ($70.6), Japan ($42.2), the Korean Republic ($38.2) and the United Kingdom ($28.4).



U.S. imports of metal cutting machine tools fell 6% during August, while metal forming imports increased 8% above their July 1988 level. Metal cutting machinery imports increased 2% from their year-to-date 1987 level, while imports of metal forming machinery declined 18%. The leading exporters to the U.S. during the first eight months of 1988 were (in millions): Japan ($719.1), West Germany ($196.6), Taiwan ($89.6), the United Kingdom ($64.6) and Switzerland ($63.4).



ES, I1, I2

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

RELEASED: NOVEMBER 11, 1988

		TOTAL YTD		TOTAL MO.	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3025	Gear Hobbers	53	8151	7	1096
3035	Gear Shapers	10	2466	1	308
3045	Gear Cutting Machines, N.E.C.	24	1305	1	5
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1148	89139	133	10907
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	82	8583	27	2545
3409	Horizontal Machining Centers, ATC, NC	511	79966	78	13934
3411	Machining Centers, NC, N.E.C.	235	45464	33	3582
3412	Single Station and Multi-Station Transfer Machines	161	58954	9	2995
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	5	1149	0	0
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	35	4613	6	843
3419	Vertical Boring-Drilling-Milling Machines, NC	85	9455	5	624
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	10	1539	3	197
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	126	4134	32	1103
3328	Drilling Machines, NC	190	7059	38	1312
3329	Drilling Machines, Multi-Spindle, Non-NC	56	881	18	447
3334	Drilling Machines, Radial, Non-NC	101	603	26	139
3336	Drilling Machines, Upright, Single Spindle, Non-NC	101	821	10	114
3342	Drilling Machines, Non-NC, N.E.C.	390	12197	80	1198
3464	Milling Machines, NC	244	22669	39	2501
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	23	1084	7	620
3467	Milling Machines, Knee Type, Non-NC	2111	12959	239	1598
3468	Milling Machines, Bed Type, Non-NC	263	10059	52	886
3469	Milling Machines, Non-NC, N.E.C.	1674	27661	178	1743
3476	Vertical Boring Machines, Incl. VTL's, NC	8	1591	0	0
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	34	1262	5	108
3481	Boring Machines, NC, N.E.C.	10	2350	5	1236
3483	Boring Machines, Non-NC N.E.C.	271	6661	32	1348
3504	Horizontal Lathes, Multi-Spindle, NC	97	12017	14	2629
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	2280	143997	285	19106
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	304	37386	45	5718
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	44	3123	2	580
3512	Horizontal Engine & Toolroom Lathes, Non-NC	1950	16821	264	3996
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	21	534	14	96
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	12	1145	0	0
3515	Automatic Bar Machines, Single Spindle, Non-NC	93	2728	0	0
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	40	1683	4	120
3518	Horizontal Lathes, Non-NC, N.E.C.	174	3749	14	344
3505	Vertical Lathes, Multi-Spindle, NC	53	6522	5	823
3519	Vertical Lathes, NSPH, NC	111	10099	29	2903
3522	Vertical Lathes, Excl. VTL's, Non-NC	773	15926	148	3063
3527	Gear Tooth Grinding & Finishing Machines	409	18698	37	3124
3528	Tool & Cutter Grinding Machines, NC	48	1643	0	0
3529	Tool & Cutter Grinding Machines, Non-NC	809	24619	103	1431
3533	Honing & Lapping Machines	247	14068	16	258
3539	Grinding Machines, Flat Surface, NC	38	4091	2	966
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	475	7405	59	1443
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1572	17771	185	2468
3546	Grinding & Polishing Machines, NC, N.E.C.	126	18219	13	1797
3554	External Grinding Machines, Non-NC	255	8997	38	1184
3556	Internal Grinding Machines, Non-NC	36	3115	4	381
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	109	4202	22	1700
3559	Grinding Machines, Non-NC, N.E.C.	824	25249	112	6658
3562	Traveling Wire Electrical Discharge Machines	568	41623	75	6501
3564	All Other Electrical Discharge Machines	245	11610	35	1209
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	77	10136	11	1622
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	562	5998	51	247
3576	Metal Cutting Machines Tools, NC, N.E.C.	175	11725	22	1654
3577	Sawing & Cut-Off Machines, Non-NC	1189	15938	215	2602
3578	Broaching Machines, Non-NC	113	1958	2	369
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1149	31605	147	3472
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1198	11464	62	966
5000	Metal Cutting Machine Tools, Less Than $2500**	617090	65248	82426	9410
	TOTAL CUTTING			85525	140239
	TOTAL CUTTING YTD	641227	1035882		
674:	METAL FORMING				
1010	Die Casting Machines	311	23515	17	2010
3582	Metal Forming Machine Tools, Used or Rebuilt	381	3953	47	359
3583	Metal Forming Machine Tools, Less Than $2500	18175	7557	3044	1046
3584	Punching and Shearing Machines, Incl. Combination, NC	194	21518	19	2468
3586	Shearing Machines, Non-NC	444	8159	67	767
3587	Punching & Combination Punching & Shearing Machines, Non-NC	376	8087	48	1320
3588	Bending, Folding, Straightening & Flattening Machines, NC	194	12434	18	1582
3589	Press Brakes, Non-NC	387	11074	47	2110
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	75	1271	5	102
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	820	27381	118	3326
3593	Metal Forming Machine Tools, NC, N.E.C.	32	21997	2	1198
3594	Mechanical Presses, Non-NC	306	41687	15	7920
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	40	3649	5	22
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	673	43875	50	8411
3597	Headers & Upsetters, Non-NC	59	6218	26	1132
3598	Forging Machines, Non-NC, N.E.C.	90	13864	29	1677
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	1739	49174	175	5732
	TOTAL FORMING			3732	41181
	TOTAL FORMING YTD	24296	305417		
	TOTAL ALL TYPES			89257	181420
	TOTAL ALL TYPES YTD	665523	1341299		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461,3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	8	613	0	0
3411	1	46	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	3	1748
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	2	133
3423	5	68	0	0	0	0	0	0	1	635
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	1	44
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	2	80	19	211
3464	0	0	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	0	0	2	67	0	0	0	0	18	138
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	5	108
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	17	551
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	1	79	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	2	123
3505	0	0	0	0	0	0	0	0	0	0
3519	2	85	0	0	0	0	0	0	0	0
3522	9	347	0	0	0	0	0	0	3	341
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	1	32
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	2	966
3541	0	0	0	0	0	0	0	0	7	192
3543	2	33	0	0	0	0	3	11	4	114
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	4	149
3559	0	0	4	17	10	64	0	0	11	539
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	12	279	0	0
3567	0	0	0	0	0	0	0	0	1	354
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	3	29	0	0	0	0	3	68	38	143
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	1	4	1	40
4000	0	0	0	0	0	0	0	0	4	21
5000	13	24	0	0	17	24	410	235	377	219
CUT MO.	35	632	6	84	27	88	440	1369	521	6801
CUT YTD	9366	5986	273	1261	380	1021	3211	7898	6400	28870
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	1	5	0	0
3583	53	6	12	25	1	2	85	86	106	10
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	11	224	0	0	0	0	0	0
3587	0	0	0	0	0	0	0	0	9	861
3588	0	0	0	0	0	0	0	0	6	719
3589	0	0	8	791	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	2	27
3592	0	0	6	506	1	35	2	58	37	712
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	5	22	0	0	0	0
3596	0	0	0	0	0	0	0	0	4	1113
3597	0	0	20	121	0	0	0	0	2	157
3598	0	0	0	0	0	0	0	0	2	340
3599	0	0	12	414	2	118	0	0	19	221
FRM MO.	53	6	69	2081	9	177	88	149	187	4160
FRM YTD	102	238	881	10393	63	679	957	3908	1915	24876
TOT MO.	88	638	75	2165	36	265	528	1518	708	10961
TOT YTD	9468	6224	1154	11654	443	1700	4168	11806	8315	53746

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	1	59	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	3	95	0	0	0	0
3411	0	0	0	0	1	41	0	0	1	347
3412	0	0	0	0	0	0	0	0	4	1020
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	13	79	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	12	68	2	9	0	0	0	0
3464	0	0	0	0	1	30	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	123	677	0	0	0	0
3468	1	101	0	0	7	295	0	0	0	0
3469	0	0	0	0	15	480	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	1	191
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	1	365	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	1	30	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	3	86	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	2	302
3519	0	0	0	0	2	126	0	0	0	0
3522	0	0	0	0	4	144	0	0	0	0
3527	0	0	0	0	0	0	0	0	13	1701
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	1	7	0	0	20	210
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	3	548
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	6	459
3556	0	0	0	0	0	0	0	0	0	0
3558	6	227	0	0	0	0	0	0	5	886
3559	0	0	0	0	3	237	1	318	4	243
3562	0	0	0	0	3	163	0	0	9	1005
3564	0	0	0	0	0	0	0	0	4	360
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	2	33	1	218	1	379
3577	11	102	1	19	0	0	0	0	1	19
3578	0	0	0	0	0	0	0	0	1	254
3579	0	0	0	0	0	0	0	0	4	161
4000	0	0	0	0	0	0	1	2	3	29
5000	117	118	0	0	1871	54	110	142	199	33
CUT MO.	138	634	13	87	2054	2924	113	680	281	8147
CUT YTD	4582	4769	35	125	3354	13200	1222	6766	4401	48770
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	1	4	1	16
3583	173	90	0	0	20	29	38	14	95	9
3584	0	0	0	0	0	0	0	0	2	315
3586	0	0	2	27	0	0	1	46	0	0
3587	0	0	0	0	14	138	3	47	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3591	0	0	0	0	0	0	2	61	0	0
3592	0	0	0	0	0	0	3	23	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	3	29	0	0	4	1990	0	0
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	2	1003
3599	2	44	0	0	1	71	2	5	20	715
FRM MO.	175	134	5	56	35	238	54	2190	120	2058
FRM YTD	223	1459	53	544	586	2476	589	8192	1120	14661
TOT MO.	313	768	18	143	2089	3162	167	2870	401	10205
TOT YTD	4805	6228	88	669	3940	15676	1811	14958	5521	63431

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	4	609	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	9	849	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	2	126	0	0	0	0	0	0	0	0
3411	3	256	2	388	0	0	1	75	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	1	24	1	25	0	0	0	0	2	410
3419	0	0	4	435	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	1	143	1	172	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	7	344	0	0	0	0	0	0
3334	0	0	1	3	0	0	0	0	1	8
3336	0	0	4	33	0	0	0	0	0	0
3342	6	166	2	74	0	0	1	219	0	0
3464	13	505	3	327	0	0	0	0	0	0
3466	1	98	0	0	0	0	0	0	0	0
3467	0	0	2	14	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	60	252	15	103	0	0	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	1	83	0	0	0	0	0	0
3483	1	337	2	62	0	0	7	85	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	31	325	4	878	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	6	18
3510	0	0	0	0	0	0	0	0	0	0
3512	72	847	1	1311	0	0	0	0	39	193
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	1	34	0	0	0	0	0	0
3518	7	50	0	0	0	0	0	0	0	0
3505	0	0	2	48	0	0	0	0	0	0
3519	0	0	1	468	0	0	1	98	0	0
3522	20	173	2	84	0	0	4	101	0	0
3527	0	0	4	315	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	14	387	20	355	0	0	2	39	0	0
3533	12	52	1	4	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	1	80	0	0	0	0	0	0
3543	7	70	13	450	0	0	0	0	0	0
3546	0	0	4	27	0	0	0	0	0	0
3554	1	19	13	198	0	0	1	13	0	0
3556	0	0	4	381	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	2	75	17	1795	0	0	4	23	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	2	11	5	240	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	2	71	4	69	0	0	0	0	0	0
3576	0	0	3	236	0	0	0	0	0	0
3577	9	40	33	471	9	26	4	46	0	0
3578	1	115	0	0	0	0	0	0	0	0
3579	18	551	38	415	0	0	21	484	0	0
4000	21	93	14	241	0	0	9	96	0	0
5000	265	280	3157	167	6	11	159	75	0	0
CUT MO.	581	5915	3391	10939	15	37	214	1354	48	629
CUT YTD	7912	53177	11335	162151	257	1177	6103	11998	518	3184
1010	1	78	1	7	0	0	9	179	0	0
3582	5	19	2	138	0	0	15	121	0	0
3583	22	25	499	117	0	0	39	27	0	0
3584	0	0	9	1225	0	0	0	0	0	0
3586	41	192	0	0	0	0	7	209	0	0
3587	0	0	11	156	0	0	0	0	0	0
3588	0	0	2	286	0	0	0	0	0	0
3589	0	0	0	0	0	0	11	410	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	4	420	8	242	0	0	32	631	0	0
3593	0	0	1	385	0	0	1	813	0	0
3594	0	0	1	818	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	1	65	3	142	0	0	12	59	0	0
3597	0	0	1	25	0	0	0	0	0	0
3598	1	17	1	8	0	0	0	0	0	0
3599	9	1143	52	1623	0	0	24	555	0	0
FRM MO.	84	1959	591	5172	0	0	150	3004	0	0
FRM YTD	763	11459	3453	34477	0	0	1238	28323	22	6389
TOT MO.	665	7874	3982	16111	15	37	364	4358	48	629
TOT YTD	8675	64636	14788	196628	257	1177	7341	40321	540	9573

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	3	487	0	0	0	0
3035	0	0	0	0	1	308	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	106	9504	0	0	14	392
3406	0	0	0	0	20	2113	0	0	0	0
3409	0	0	0	0	60	12768	4	229	0	0
3411	5	75	2	170	12	1886	5	298	0	0
3412	0	0	0	0	2	227	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	2	384	0	0	0	0
3419	0	0	0	0	1	189	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	32	1143	0	0	0	0
3329	0	0	0	0	10	59	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	33	157	0	0	0	0
3464	0	0	0	0	10	1161	0	0	0	0
3466	0	0	0	0	3	208	0	0	0	0
3467	0	0	0	0	4	91	0	0	0	0
3468	20	97	0	0	23	384	0	0	0	0
3469	0	0	0	0	2	65	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	4	1153	0	0	0	0
3483	0	0	0	0	1	9	0	0	0	0
3504	0	0	0	0	14	2629	0	0	0	0
3506	0	0	0	0	230	17243	9	420	7	73
3508	0	0	0	0	37	5256	0	0	0	0
3510	0	0	0	0	2	580	0	0	0	0
3512	3	24	0	0	10	286	14	111	15	147
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	1	115	0	0	0	0
3505	0	0	0	0	1	473	0	0	0	0
3519	0	0	0	0	7	1634	16	492	0	0
3522	38	147	0	0	19	1246	9	273	0	0
3527	0	0	0	0	19	954	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	8	25	0	0	8	222	0	0	0	0
3533	0	0	0	0	2	199	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	10	656	0	0	40	363
3543	0	0	0	0	53	632	0	0	0	0
3546	0	0	0	0	9	1770	0	0	0	0
3554	0	0	0	0	8	394	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	5	424	0	0	0	0
3559	2	55	0	0	28	3089	0	0	0	0
3562	0	0	0	0	62	5314	0	0	0	0
3564	0	0	0	0	5	232	0	0	0	0
3567	0	0	0	0	10	1268	0	0	0	0
3571	0	0	0	0	45	107	0	0	0	0
3576	0	0	0	0	15	788	0	0	0	0
3577	0	0	4	176	38	1095	1	33	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	54	1583	0	0	0	0
4000	0	0	0	0	7	464	0	0	0	0
5000	3976	295	14	2	14070	1893	50	11	0	0
CUT MO.	4052	718	20	348	15098	82842	108	1867	76	975
CUT YTD	27049	4088	300	1332	56969	572345	1535	8540	546	5278
1010	0	0	0	0	6	1746	0	0	0	0
3582	0	0	0	0	20	50	0	0	0	0
3583	0	0	0	0	438	233	0	0	0	0
3584	0	0	0	0	8	928	0	0	0	0
3586	0	0	0	0	2	17	0	0	0	0
3587	0	0	0	0	1	11	0	0	0	0
3588	0	0	0	0	10	577	0	0	0	0
3589	0	0	0	0	23	835	0	0	3	61
3591	0	0	0	0	1	14	0	0	0	0
3592	0	0	5	38	18	641	1	9	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	8	6840	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	21	4778	0	0	0	0
3597	0	0	0	0	3	829	0	0	0	0
3598	0	0	0	0	1	125	0	0	0	0
3599	0	0	0	0	13	599	14	48	0	0
FRM MO.	0	0	5	38	573	18223	15	57	3	61
FRM YTD	22	137	59	678	3791	146765	62	202	296	1154
TOT MO.	4052	718	25	386	15671	101065	123	1924	79	1036
TOT YTD	27071	4225	359	2210	60760	719110	1597	8742	842	6432

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	TAIWAN		AUSTRALIA		ALL OTHERS	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0
3035	0	0	0	0	0	0
3045	0	0	0	0	1	5
3404	3	103	0	0	0	0
3406	7	432	0	0	0	0
3409	1	103	0	0	0	0
3411	0	0	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	0	0	0	0	0	0
3422	0	0	0	0	1	64
3423	24	85	0	0	0	0
3328	6	169	0	0	0	0
3329	0	0	0	0	0	0
3334	10	44	0	0	1	5
3336	6	81	0	0	0	0
3342	3	214	0	0	0	0
3464	11	458	1	20	0	0
3466	3	314	0	0	0	0
3467	110	816	0	0	0	0
3468	1	9	0	0	0	0
3469	61	564	0	0	5	74
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	0	0	3	113
3504	0	0	0	0	0	0
3506	3	110	0	0	1	57
3508	0	0	0	0	0	0
3510	0	0	0	0	0	0
3512	84	550	0	0	25	497
3513	14	96	0	0	0	0
3514	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	3	18	0	0	1	38
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	2	9	5	18	33	180
3527	0	0	0	0	1	154
3528	0	0	0	0	0	0
3529	23	133	5	17	1	4
3533	0	0	0	0	1	3
3539	0	0	0	0	0	0
3541	1	152	0	0	0	0
3543	98	588	0	0	2	22
3546	0	0	0	0	0	0
3554	7	50	0	0	2	51
3556	0	0	0	0	0	0
3558	2	14	0	0	0	0
3559	24	195	0	0	2	8
3562	1	19	0	0	0	0
3564	1	18	6	69	0	0
3567	0	0	0	0	0	0
3571	0	0	0	0	0	0
3576	0	0	0	0	0	0
3577	60	335	0	0	0	0
3578	0	0	0	0	0	0
3579	4	62	1	154	5	18
4000	0	0	0	0	3	20
5000	53881	5589	1	1	3733	237
CUT MO.	54454	11330	19	279	3821	1550
CUT YTD	441812	84976	276	1399	53391	7576
1010	0	0	0	0	0	0
3582	0	0	2	6	0	0
3583	1392	292	0	0	71	81
3584	0	0	0	0	0	0
3586	0	0	0	0	3	52
3587	6	88	0	0	4	19
3588	0	0	0	0	0	0
3589	2	13	0	0	0	0
3591	0	0	0	0	0	0
3592	1	11	0	0	0	0
3593	0	0	0	0	0	0
3594	6	262	0	0	0	0
3595	0	0	0	0	0	0
3596	0	0	0	0	2	235
3597	0	0	0	0	0	0
3598	22	184	0	0	0	0
3599	0	0	0	0	5	176
FRM MO.	1429	850	2	6	85	563
FRM YTD	7533	4652	7	214	561	3337
TOT MO.	55883	12180	21	285	3906	2113
TOT YTD	449345	89628	283	1613	53952	10913

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
AUGUST 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	13	144	0	0	13	144
EAST GERMANY	5	126	2	163	7	289
FINLAND	2	68	25	272	27	340
GIBRALTAR	0	0	0	0	0	0
GREECE	1	4	0	0	1	4
HUNGARY	1	154	0	0	1	154
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	0	0	2	6	2	6
POLAND	21	484	0	0	21	484
ROMANIA	0	0	0	0	0	0
USSR	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	43	980	29	441	72	1421
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP	0	0	0	0	0	0
FR W INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS	0	0	0	0	0	0
MEXICO	2998	214	34	113	3032	327
NICARAGUA	0	0	0	0	0	0
N ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM	0	0	0	0	0	0
TOTAL	2998	214	34	113	3032	327
OTHER SOUTH AMERICA						
ARGENTINA	0	0	0	0	0	0
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S AM	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
OTHER OCEANIA						
FR PAC IS	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR PAC IS	0	0	0	0	0	0
OTH PAC IS	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
AUGUST 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	125	8	19	7	144	15
INDIA	46	263	3	2	49	265
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	608	82	0	0	608	82
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	779	353	22	9	801	362
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	1	3	0	0	1	3
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	1	3	0	0	1	3

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT INSURANCE, COMMISSIONS OR IMPORT DUTIES.

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

RELEASED: NOVEMBER 11, 1988

		TOTAL YTD		TOTAL MO.	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	70	5704	7	959
3045	Gear Cutting Machines, N.E.C.	44	11487	5	899
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	78	5786	6	748
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	10	2533	0	0
3209	Horizontal Machining Centers, ATC, NC	22	3871	3	133
3211	Machining Centers, NC, N.E.C.	55	4423	8	752
3216	Single Station and Multi-Station Transfer Machines	18	10849	1	252
3225	Way Type Machines (Unit Heads)	6	611	1	196
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	2	692	0	0
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	3	715	1	223
3247	Vertical Boring-Drilling-Milling Machines, NC	3	1269	0	0
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	4	564	1	26
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	25	1135	7	163
3254	Drilling Machines, NC	36	3299	20	1388
3255	Drilling Machines, Multi-Spindle, Non-NC	17	1507	3	65
3256	Drilling Machines, Radial, Non-NC	14	558	0	0
3257	Drilling Machines, Upright, Single Spindle, Non-NC	10	276	1	3
3258	Drilling Machines, Non-NC, N.E.C.	67	1492	6	46
3264	Milling Machines, NC	12	3135	2	145
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	27	2979	1	9
3267	Milling Machines, Knee Type, Non-NC	2	88	0	0
3268	Milling Machines, Bed Type, Non-NC	8	570	7	516
3269	Milling Machines, Non-NC, N.E.C.	126	6998	13	745
3276	Vertical Boring Machines, Incl. VTLs, NC	2	840	1	230
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	57	3146	2	769
3281	Boring Machines, NC, N.E.C.	3	210	0	0
3283	Boring Machines, Non-NC, N.E.C.	80	3708	6	161
3503	Horizontal Lathes, Multi-Spindle, NC	38	8897	10	3036
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	87	6343	6	418
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	19	2904	0	0
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	6	1990	0	0
3510	Horizontal Engine & Toolroom Lathes, Non-NC	64	2168	5	95
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	18	2024	0	0
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	8	578	1	73
3515	Automatic Bar Machines, Single-Spindle, Non-NC	23	270	5	75
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	36	1401	5	237
3518	Horizontal Lathes, Non-NC, N.E.C.	246	5877	24	206
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	3	438	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	5	222	1	39
3525	Vertical Lathes, Excl. VTLs, Non-NC	76	3874	16	862
3528	Grinding, Polishing, Honing & Lapping Machines, NC	180	29981	8	1607
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	37	1296	1	26
3531	Tool & Cutter Grinding Machines, Non-NC	267	4382	42	498
3532	Honing & Lapping Machines, Non-NC	373	4594	39	523
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	105	1813	8	93
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	226	13377	39	2017
3541	External Grinding Machines, Non-NC	12	1746	1	237
3542	Internal Grinding Machines, Non-NC	26	5076	2	352
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	160	8102	8	329
3546	Grinding Machines, Non-NC, N.E.C.	209	7490	34	1188
3547	Traveling Wire Electrical Discharge Machines	4	217	1	27
3549	All Other Electrical Discharge Machines	151	1868	18	190
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	9	461	3	154
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	64	2592	5	102
3559	Metal Cutting Machine Tools, NC, N.E.C.	89	4423	10	1002
3565	Sawing & Cut-Off Machines, Non-NC	396	5819	55	963
3566	Broaching Machines, Non-NC	10	1895	3	775
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	182	4930	17	322
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	4235	38770	498	5346
5000	Metal Cutting Machine Tools, Less Than $2500**	19462	10589	1700	1198
	TOTAL CUTTING			2667	30411
	TOTAL CUTTING YTD	27627	264802		
674:	METAL FORMING				
1011	Die Casting Machines & Parts	0	13891	0	1684
3568	Metal Forming Machine Tools, Used Or Rebuilt	706	9977	74	1482
3569	Metal Forming Machine Tools, Less Than $2500	4479	2786	343	280
3571	Punching & Shearing Machines, Incl. Combination, NC	68	11839	9	1948
3573	Shearing Machines, Non-NC	89	2383	13	546
3575	Punching & Combination Punching & Shearing Machines, Non-NC	630	16169	102	2584
3578	Bending, Folding, Straightening & Flattening Machines, NC	82	3592	8	367
3582	Press Brakes, Non-NC	64	3481	6	330
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	10	1226	1	55
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	688	23174	87	4627
3588	Mechanical Presses	198	18097	25	1077
3589	Hydraulic Presses, Vertical, Single Action	77	3738	9	420
3590	Hydraulic & Pneumatic Presses	829	38565	106	4258
3594	Headers & Upsetters, Non-NC	64	13339	7	634
3595	Forging Machines, Non-NC, N.E.C.	113	2403	42	779
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	798	43945	114	3558
	TOTAL FORMING			946	24628
	TOTAL FORMING YTD	8895	208585		
	TOTAL ALL TYPES			3613	55039
	TOTAL ALL TYPES YTD	36522	473387		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.
**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

674:	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	1	80	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	2	528	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	1	13	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	2	4	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	87	0	0	0	0	0	0
4000	0	0	3	53	0	0	4	125	0	0
5000	0	0	4	3	0	0	41	28	0	0
CUT MO.	0	0	9	223	3	17	47	681	0	0
CUT YTD	84	784	188	3715	7	393	380	5148	11	540
1011	0	0	0	0	0	0	0	24	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	28	24	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	1	112	0	0	0	0	0	0
3575	0	0	7	88	0	0	2	131	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	2	45	0	0
3588	0	0	1	17	0	0	1	233	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	2	361	0	0
FRM MO.	0	0	37	241	0	0	7	794	0	0
FRM YTD	1	106	155	1186	11	217	388	6865	16	462
TOT MO.	0	0	46	464	3	17	54	1475	0	0
TOT YTD	85	890	343	4901	18	610	768	12013	27	1002

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	1	26	0	0	0	0	0	0	0	0
3531	0	0	3	18	0	0	0	0	0	0
3532	11	111	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	5	108	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	25	1	2	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	1	334	2	32
3565	0	0	2	78	0	0	1	16	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	2	13
4000	3	25	30	240	0	0	0	0	26	607
5000	0	0	0	0	0	0	38	24	15	10
CUT MO.	21	295	36	336	0	0	40	374	45	662
CUT YTD	402	5829	215	1789	4	21	268	1714	174	2015
1011	0	0	0	5	0	0	0	0	0	97
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	8	124	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	4	36	0	0	0	0	5	90	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	2	9	4	99	0	0	0	0	0	0
FRM MO.	6	45	12	228	0	0	5	90	0	97
FRM YTD	104	4824	124	2754	1	50	76	4687	78	1064
TOT MO.	27	340	48	566	0	0	45	464	45	759
TOT YTD	506	10653	339	4543	5	71	344	6401	252	3079

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	1	356	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	17	795	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	1	45	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	7	516	0	0	0	0	0	0
3269	1	18	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	3	191	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	3	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	6	0	0	0	0	3	53	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	2	116	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	9	212	0	0
3532	0	0	5	83	0	0	3	25	0	0
3533	0	0	5	66	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	2	352	0	0	0	0	0	0
3544	0	0	0	0	0	0	1	10	0	0
3546	0	0	1	3	0	0	1	17	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	2	4	0	0	2	3	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	1	30	0	0	0	0	0	0
3565	0	0	1	126	5	100	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	4	29	37	142	0	0	21	81	0	0
5000	13	4	80	63	0	0	91	95	0	0
CUT MO.	19	57	165	2535	5	100	132	852	0	0
CUT YTD	185	2050	1919	18165	64	1092	1010	11265	2	85
1011	0	4	0	362	0	0	0	5	0	0
3568	0	0	2	70	0	0	0	0	0	0
3569	0	0	38	42	0	0	6	2	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	1	5	0	0
3575	1	14	1	12	0	0	1	126	0	0
3578	0	0	1	16	0	0	4	257	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	1	55	0	0	0	0	0	0
3584	0	0	1	17	0	0	13	105	0	0
3588	0	0	2	52	0	0	5	189	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	1	60	41	1796	0	0	3	187	0	0
3594	0	0	0	0	0	0	1	62	0	0
3595	0	0	1	13	0	0	0	0	0	0
3598	0	0	3	120	0	0	2	398	0	0
FRM MO.	2	78	91	2555	0	0	36	1336	0	0
FRM YTD	42	1402	328	10255	2	52	1076	16786	4	635
TOT MO.	21	135	256	5090	5	100	168	2188	0	0
TOT YTD	227	3452	2247	28420	66	1144	2086	28051	6	720

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	OTH. EUROPE		CANADA		MEXICO		OTH. N & C		ARGENTINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	3	256	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	1	120	0	0	0	0	0	0
3216	0	0	0	0	1	252	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	1	223	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	29	6	134	0	0	0	0
3254	0	0	3	593	0	0	0	0	0	0
3255	0	0	1	20	2	45	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	4	16	1	20	1	10	0	0
3264	0	0	1	100	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	8	84	1	16	0	0
3276	0	0	1	230	0	0	0	0	0	0
3277	0	0	1	23	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	1	12	4	117	0	0	0	0
3503	0	0	0	0	10	3036	0	0	0	0
3505	0	0	2	147	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	25	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	3	43	0	0	0	0	0	0
3516	0	0	5	237	0	0	0	0	0	0
3518	0	0	1	9	11	84	0	0	1	8
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	1	39	0	0	0	0
3525	0	0	2	172	0	0	1	242	0	0
3528	0	0	1	210	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	18	191	1	7	0	0	0	0
3532	0	0	1	4	5	50	1	6	0	0
3533	0	0	0	0	1	3	0	0	0	0
3538	0	0	2	26	5	30	5	152	0	0
3541	0	0	1	237	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	1	160	14	309	5	42	0	0	0	0
3547	0	0	1	27	0	0	0	0	0	0
3549	0	0	2	28	5	112	0	0	1	2
3551	0	0	1	65	1	35	0	0	1	54
3553	0	0	2	22	3	80	0	0	0	0
3559	0	0	1	20	3	63	0	0	0	0
3565	3	10	23	236	4	39	0	0	2	40
3566	0	0	0	0	1	174	0	0	0	0
3567	0	0	3	19	5	59	0	0	0	0
4000	1	2	28	563	262	1997	2	11	0	0
5000	13	10	595	325	248	191	12	14	0	0
CUT MO.	18	182	725	4537	593	6693	23	451	5	104
CUT YTD	261	9385	8717	44191	4434	46873	315	1082	126	1095
1011	0	70	0	553	0	116	0	21	0	0
3568	0	0	30	232	16	493	9	14	1	15
3569	0	0	80	22	112	152	0	0	0	0
3571	0	0	7	1548	0	0	0	0	0	0
3573	0	0	4	263	0	0	0	0	0	0
3575	4	140	15	394	10	53	2	20	0	0
3578	0	0	1	24	0	0	0	0	0	0
3582	0	0	3	182	2	48	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	7	12	184	13	3423	0	0	0	0
3588	0	0	1	22	6	251	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	2	151	36	771	0	0	0	0
3594	0	0	3	330	0	0	0	0	0	0
3595	2	147	25	177	4	73	1	38	1	24
3598	1	49	20	1052	7	64	0	0	0	0
FRM MO.	8	413	203	5134	206	5444	12	93	2	39
FRM YTD	90	2040	2570	34732	1629	23764	139	981	42	855
TOT MO.	26	595	928	9671	799	12137	35	544	7	143
TOT YTD	351	11425	11287	78923	6063	70637	454	2063	168	1950

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	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM.		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	1	212
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	5	210	1	66	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	1	196
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	1	746	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	1	32	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	1	17	0	0	1	25
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	2	32	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	3	15	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	2	21	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	1	522	0	0	0	0	0	0	5	371
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	1	208
3546	0	0	0	0	1	7	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	1	24	1	103	1	13	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	2	6
4000	3	37	8	128	2	13	15	57	2	18
5000	13	19	0	0	53	42	0	0	0	0
CUT MO.	21	631	14	362	60	994	20	117	13	1036
CUT YTD	131	4479	159	1951	2678	11128	199	1158	311	15044
1011	0	82	0	0	0	74	0	4	0	0
3568	0	0	0	0	0	0	1	6	2	273
3569	0	0	0	0	10	3	0	0	0	0
3571	0	0	0	0	1	210	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	1	4	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	16	1	13	0	0	0	0	1	20
3588	1	126	3	50	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	2	280
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	1	39	0	0	0	0	0	0	0	0
3598	1	66	0	0	2	17	0	0	0	0
FRM MO.	4	279	4	63	13	304	2	14	5	573
FRM YTD	63	8836	47	753	214	5388	31	446	54	4849
TOT MO.	25	910	18	425	73	1298	22	131	18	1609
TOT YTD	194	13315	206	2704	2892	16516	230	1604	365	19893

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	7	959	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	4	511
3204	0	0	0	0	0	0	0	0	2	280
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	1	3
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	1	589	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	1	73
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	9	248	0	0	0	0	4	200
3528	0	0	0	0	0	0	0	0	1	173
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	7	43
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	1	7	0	0	0	0	2	125
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	1	2	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	1	10	3	29	2	41	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	40	0	0	0	0	0	0
4000	8	184	2	66	0	0	4	10	4	56
5000	17	12	20	12	0	0	27	17	92	58
CUT MO.	25	196	42	1931	3	29	34	70	118	1522
CUT YTD	236	1930	197	4436	30	322	134	3535	1325	16532
1011	0	0	0	58	0	0	0	9	0	146
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	2	29	0	0	0	0	0	0	27	1118
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	1	100	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	17	5	82	0	0	0	0	9	153
3588	0	0	1	15	0	0	0	0	3	93
3589	0	0	7	140	0	0	0	0	0	0
3590	0	0	1	9	0	0	0	0	20	1262
3594	0	0	0	0	0	0	0	0	2	218
3595	0	0	0	0	0	0	0	0	1	141
3598	45	327	3	116	0	0	0	0	7	466
FRM MO.	48	373	17	420	1	100	0	9	69	3597
FRM YTD	149	3537	46	1744	7	385	16	2140	411	25673
TOT MO.	73	569	59	2351	4	129	34	79	187	5119
TOT YTD	385	5467	243	6180	37	707	150	5675	1736	42205

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	KOREAN REP.		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	1	388
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	2	78	0	0	0	0	1	55	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	1	26
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	1	9
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	2	38	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	1	25
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	11	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	2	580	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	6	135	0	0	0	0	0	0	1	18
3533	0	0	0	0	0	0	0	0	2	24
3538	0	0	0	0	0	0	7	526	1	23
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	3	30
3546	8	35	0	0	0	0	0	0	3	615
3547	0	0	0	0	0	0	0	0	0	0
3549	1	8	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	2	29	0	0	0	0	0	0	1	31
3566	0	0	2	601	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	3	98
4000	3	775	0	0	0	0	1	2	1	30
5000	61	56	1	2	0	0	37	24	21	15
CUT MO.	88	1745	3	603	0	0	46	607	40	1332
CUT YTD	650	25213	76	1181	217	472	956	4179	466	6773
1011	0	0	0	0	0	0	0	0	0	29
3568	13	379	0	0	0	0	0	0	0	0
3569	64	31	0	0	0	0	5	4	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	7	166
3575	2	29	0	0	0	0	1	10	1	7
3578	1	55	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	3	118	0	0	0	0	0	0	0	0
3588	0	0	0	0	0	0	1	29	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	1	7	0	0	0	0	1	15	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	6	127	0	0	0	0	0	0	0	0
3598	1	26	2	172	0	0	3	35	0	0
FRM MO.	91	772	2	172	0	0	11	93	8	202
FRM YTD	248	12991	7	303	25	570	139	1596	90	8200
TOT MO.	179	2517	5	775	0	0	57	700	48	1534
TOT YTD	898	38204	83	1484	242	1042	1095	5775	556	14973

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	2	13	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	2	6	0	0	0	0
3532	0	0	4	72	1	6	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	5	127	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	1	3	2	78	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	1	48	0	0	0	0
3565	0	0	2	38	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	1	11	4	15	12	27	0	0	0	0
5000	0	0	16	23	60	51	25	26	0	0
CUT MO.	3	24	32	278	78	216	25	26	0	0
CUT YTD	48	2790	223	1649	268	2483	97	175	1	4
1011	0	0	0	47	0	3	0	22	0	3
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	1	190	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	7	69	3	61	2	9	0	0
3578	0	0	1	15	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	141	3	29	10	76	1	55	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	1	24	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	6	113	3	68	0	0	0	0
FRM MO.	1	141	17	273	18	422	3	86	0	3
FRM YTD	21	1663	222	5997	190	6267	13	1831	0	3
TOT MO.	4	165	49	551	96	638	28	112	0	3
TOT YTD	69	4453	445	7646	458	8750	110	2006	1	7

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	EGYPT		REP. S. AFR		OTH. AFRICA	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	1	7	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	0	0	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	1	475	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	1	2	6	40
5000	35	23	72	51	0	0
CUT MO.	35	23	75	535	6	40
CUT YTD	39	252	402	1746	18	189
1011	0	0	0	0	0	0
3568	0	0	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	5	146	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM MO.	0	0	5	146	0	0
FRM YTD	0	9	17	209	9	1498
TOT MO.	35	23	80	681	6	40
TOT YTD	39	261	419	1955	27	1687

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMNS
AUGUST 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	1	160	4	140	5	300
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	3	10	2	70	5	80
GIBRALTAR	0	0	0	0	0	0
GREECE	3	4	0	0	3	4
HUNGARY	0	0	0	0	0	0
ICELAND	1	2	0	0	1	2
MALTA	0	0	0	0	0	0
NORWAY	0	0	2	200	2	200
PORTUGAL	10	6	0	3	10	9
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	18	182	8	413	26	595
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	1	16	0	0	1	16
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	1	6	0	0	1	6
DOMINICAN REP	2	247	1	38	3	285
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	8	6	7	10	15	16
HAITI	0	0	0	19	0	19
HONDURAS	0	0	4	24	4	24
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	1	2	0	0	1	2
PANAMA	3	6	0	0	3	6
SALVADOR	6	162	0	2	6	164
TRINIDAD	1	6	0	0	1	6
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	23	451	12	93	35	544
OTHER SOUTH AMERICA						
BOLIVIA	0	0	0	0	0	0
CHILE	16	89	1	4	17	93
ECUADOR	3	15	0	4	3	19
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	1	13	0	0	1	13
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	1	6	1	6
OTHER S. AM.	0	0	0	0	0	0
TOTAL	20	117	2	14	22	131
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	3	0	3
TOTAL	0	0	0	3	0	3

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
AUGUST 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	3	28	3	28
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	1	3	0	0	1	3
KUWAIT	5	10	0	0	5	10
LEBANON	0	0	0	0	0	0
MALAYSIA	6	17	2	49	8	66
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PHILIPPINES	8	71	3	37	11	108
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	12	177	9	159	21	336
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	32	278	17	273	49	551
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	6	40	0	0	6	40
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	6	40	0	0	6	40

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.